



IOWA DEPARTMENT OF
NATURAL RESOURCES
PERMIT APPLICATION

Waste Tire Processing Facility



SECTION 1. FACILITY INFORMATION

▼ FOR IDNR ACCOUNTING USE ONLY ▼

Facility Name:	INTERNAL SOURCE: 1220 0098-542-TIRE-0630 CASHIER'S OFFICE:
Facility Address (street address, city, state, zip, county):	
Facility Phone #:	
Legal Description of Property at Facility: <i>(you may attach a legal description from your county assessor)</i>	
Name of Owner of Real Estate at Facility: <i>(if corporation, name of CEO/President)</i>	Mailing Address for Real Estate Owner:
Phone #:	
Name of Manager/Operator of Facility:	Type of Application (mark only one) Renewal <input type="checkbox"/> New Application <input type="checkbox"/>
Title:	Existing Permit # _____.

SECTION 2. GENERAL DESCRIPTION OF OPERATION [Rule 117.6(1)]

Describe general processing equipment type/purpose:
Describe hourly processing capacity of equipment in tires/tons of material: <i>(include copies of manufacturer specifications if available)</i>
Describe daily operating hours of facility/equipment:
Describe types of processed material to be produced:

SECTION 3. SITE MAP

➡ Provide a scaled* site map showing the following:

- all areas proposed for waste tire storage and processed tire storage
- layout of equipment process line with notation of location of shredders, conveyors, and major equipment
- all property boundaries of the facility property, as referenced in Section 1.
- The footprint locations of all buildings and major improvements on the site, as well as within 300' of the site

** applicants may wish to use a surveyed plat map, or a print-out of a county assessor's property description map as a base to create a scaled site map*

SECTION 4. SITE CLOSURE PLAN [IAC 567-117.6(1)f]

➡ Attach a closure plan that describes action to be taken within 30 days of any plans by the owner/operator to close the processing facility, including the following:

- How will the owner/operator notify the department within 30 days of closure?
- How will waste tire materials be disposed of through final processing, marketing, or through other sources?
- How will waste tire residuals and shredding waste be disposed of?
- How will the applicant ensure that no violations will remain regarding waste tire or solid waste disposal laws and regulations upon final closure of the facility?

SECTION 5. EMERGENCY RESPONSE AND REMEDIAL ACTION PLAN [IAC 567-117.6(1)g]

In accordance with Iowa Code section 455B.306(6)d, owners and operators of all permitted sanitary disposal projects are required to file an Emergency Response and Remedial Action Plan (ERRAP) with the department at the time of application for a permit, and are required to update the ERRAP upon subsequent renewals of such permits. The ERRAP shall establish provisions to minimize the possibility of fire, explosion, or the release of pollutants to the air, land or water that could threaten human health and the environment.

➡ Attach an ERRAP for the tire processing facility with this application. The ERRAP shall, at a minimum, contain the components listed in Iowa Administrative Code 567-102.14 "Emergency response and remedial action plans."

SECTION 6. GENERAL PERMIT REQUIREMENTS [IAC 567-117.6(2)]

You must comply with the following general permit requirements before a permit is issued, unless specific "Special Permit Conditions" are indicated on your final permit issuance from the department. Indicate your acceptance of these permit requirements by initialing each item below.

Item:	Permit Condition	Initialed by:
6.1	The site will be graded to prevent standing pools of water, and to limit run-on of precipitation where whole tire or processed tire material are stored.	<input type="checkbox"/>
6.2	The facility shall be secured by a fence or barrier of 6' or greater in height to impede unauthorized access. Locks shall be present on all gates and entry points.	<input type="checkbox"/>
6.3	No open burning of any type shall occur on the property.	<input type="checkbox"/>
6.4	Signs shall be posted every 100' for on-site visibility that state "Open burning prohibited on site".	<input type="checkbox"/>
6.5	Signs shall be posted every 100' on the perimeter of the location, for off-site visibility, that state "Highly flammable materials on-site. Burning in area not recommended."	<input type="checkbox"/>
6.6	All fueling of vehicles or equipment, and activities that may release sparks or flame, shall be conducted at least 50' from storage areas of tire materials.	<input type="checkbox"/>

SECTION 7. PREPROCESSED WHOLE WASTE TIRE STORAGE REQUIREMENTS - OUTSIDE [Rule 117.6(3)]

You must comply with the following requirements for preprocessed whole waste tire storage before a permit is issued, unless specific "Special Permit Conditions" are indicated on your final permit issuance from the department. Indicate your acceptance of these permit requirements by initialing each item below.

Item:	Permit Condition	Initialed by:
7.1	The quantity of whole waste tires present on site shall be comparable with the allowable three-day pre-processed quantity limitation, unless additional financial assurance is provided by the permittee, and such storage amendments are approved by the department.	<input type="checkbox"/>
7.2	All waste tires shall be processed within 30 days of their deposit at the site.	<input type="checkbox"/>
7.3	All pre-processed tires stored outside shall meet the following requirements: a. No tire pile shall contain more than 50,000 cubic feet. b. The vertical dimension of any tire piles shall be less than 10 feet. c. No single tire pile shall be more than 100 feet in length. d. The surface area of a tire pile shall not be more than 5,000 square feet. e. 50' fire lanes shall be maintained between all tire piles. f. A 50' setback of tire piles from any property line, street, public ROW or building shall be maintained. g. A 200' setback of tire piles from any well, lake, river, stream, sinkhole, or tile line intake shall be maintained, unless grading or other construction is completed to intercept water flows that may impact such interceptors (setback may be reduced to 50' in such cases).	<input type="checkbox"/>
7.4	Trees and brush shall be cleared within 50' of any tire pile.	<input type="checkbox"/>
7.5	All combustible materials or volatile chemicals shall be stored more than 50 feet from any tire pile (if not, they must be in approved, fire-resistant containers).	<input type="checkbox"/>
7.6	A 20 pound Class ABC dry chemical fire extinguisher shall be available within 100 feet of all tire storage areas.	<input type="checkbox"/>
7.7	All waste tires stored in trucks, trailers or mobile containers shall be at least 10' from any property line or building (counts toward total storage permitted for site).	<input type="checkbox"/>
7.8	All tire bales shall be stored in stacks or piles no greater than 10 feet in height, 25 feet in width, and 50 feet in length, with a separation distance of 50 feet between piles of tire bales.	<input type="checkbox"/>
7.9	Indoor storage of waste tires shall not be allowed within 20 feet of any waste tire processing or handling equipment, and shall comply with the following: a. No more than 25,000 passenger tire equivalents shall be stored indoors. b. Combustible materials or volatile chemicals shall not be stored within 25 feet of any indoor waste tire storage area, unless in approved containers. c. A 20-pound Class ABC dry chemical fire extinguisher shall be available within 50 feet of any one portion of indoor tire storage areas. d. The storage structure must be secured from unauthorized access.	<input type="checkbox"/>

SECTION 8. PROCESSED TIRE STORAGE [Rule 117.6(4)]

You must comply with the following requirements for processed tire storage before a permit is issued, unless specific "Special Permit Conditions" are indicated on your final permit issuance from the department. Indicate your acceptance of these permit requirements by initialing each item below.

Item:	Permit Condition	Initialed by:
8.1	The total volume of processed tire material stored on-site, shall be quantity no greater than the average amount the firm produces within a 60-day period. (ANY site is limited to no more than 5,000 tons of processed material to be stored on site)	<input type="checkbox"/>
8.2	Processed tires that shredded into 9" or less pieces shall be stored in piles not more than 15 feet in height, 100 feet in length, and 50 feet width, with no more than 75,000 cubic feet of volume.	<input type="checkbox"/>
8.3	Processed tires that are cut into strips, sidewalls or other pieces larger than 9" shall be stored in piles that are no more than 10 feet in height, 100 feet in length, and 50 feet in width, with no more than 75,000 cubic feet of volume.	<input type="checkbox"/>
8.4	A 50-foot fire lane shall be maintained between piles of processed material, with the base of the lane kept free from waste tire residuals or other debris.	<input type="checkbox"/>
8.5	All processed tire materials shall be stored at least 50 feet from any property line, street, public ROW, or building.	<input type="checkbox"/>
8.6	All trees and brush shall be cleared at least 50 feet away from all processed tire material.	<input type="checkbox"/>
8.7	A 20-pound Class ABC dry-chemical fire extinguisher shall be available within 100 feet of any portion of the processed tire storage area.	<input type="checkbox"/>
8.8	For indoor storage of more than 5,000 cubic of processed tire material, the material shall be stored on concrete floors, with all retaining walls, containment bins or other storage structures constructed of non-flammable material.	<input type="checkbox"/>

SECTION 9. PROCESSING RESIDUAL/WASTE DISPOSAL (Rule 117.6(6))

You must comply with the following requirements for the handling of residuals and waste from tire processing operations, before a permit is issued, unless specific "Special Permit Conditions" are indicated on your final permit issuance from the department. Indicate your acceptance of these permit requirements by initialing each item below.

Item:	Permit Condition	Initialed by:
9.1	All tire bead rings, separated metal wire, fibers, cording, and "fluff" other residuals and wastes from tire processing shall be disposed of at least every 60 days.	<input type="checkbox"/>
9.2	The permittee shall have records available that notes the most recent disposal date and location for these residuals/waste.	<input type="checkbox"/>

SECTION 10. REPORTING REQUIREMENTS [117.6(5)]

The permittee shall make a semiannual report to the department, on a form as provided or approved by the department. The report must include the following information as listed in this section. Indicate your acceptance of the reporting requirements by initialing each item below.

Item:	Permit Condition	Initialed by:
10.1	Total quantity of waste tires received by the facility during the reporting period.	<input type="checkbox"/>
10.2	Quantity of waste tires received by the facility from in-state sources.	<input type="checkbox"/>
10.3	Quantity of waste tires received by the facility from out-of-state sources.	<input type="checkbox"/>
10.4	Quantity of unprocessed waste tires on hand at the facility at the time of reporting.	<input type="checkbox"/>
10.5	Quantity of waste tires processed and delivered to end-users during the reporting period, by product type, with determinations of quantities of product delivered to identified in-state and out-of-state markets or sites.	<input type="checkbox"/>
10.6	Quantity of processed material currently stored at the facility, by product type.	<input type="checkbox"/>

SECTION 11. MARKET RESEARCH / JUSTIFICATION [117.6(4)e.]

The permittee must demonstrate a reasonable market demand for all types and quantities of processed products to be manufactured and stored. Market demand for processed waste tire products shall be demonstrated by the processor through at least one of the following criteria, for each type of product to be produced.

☛ For each type of product to be produced, indicate market demand by providing a statement or copies of documents demonstrating demand, using one of the following methods:

1. Attach active contract, purchase order, or supply agreement with end user.
2. Demonstrate historic demand for product type by end user(s) within state or surrounding region.
3. Other Information or evidence that illustrates that sufficient demand and consumption by markets exists.

Final approval of total quantities of waste tires or processed materials that may be stored is at the discretion of the department.

SECTION 12. APPLICANT CERTIFICATION

CERTIFICATION

I certify under penalty of law that I am the owner, operator, or authorized representative of the tire processing facility for which this application is submitted, and that I have examined and am familiar with the requirements of operation through this permit that I have applied for herein, and that the information I have provided is true, accurate and complete.

Signature: _____ Date: _____

Printed Name: _____

Title: _____

Representing (company or owner name) _____

SECTION 13. APPLICANT PERMIT FEE

- ➡ The applicant shall attach the annual permit fee of \$850 with this initial application, and shall remit the annual fee of \$850 for each subsequent year that the permittee operates this facility, on or by July 1st of subsequent years. The permittee shall pay the fee due annually, each July 1st, unless the permittee properly closes the facility and discontinues operations, or in the event the department revokes the permittee's authority to operate a waste tire processing facility.

*** Checks shall be in the amount of \$850.00, and shall be made payable to:

Iowa Department of Natural Resources

Upon completion of the application, attach payment and send to:

Chad Stobbe
Energy & Waste Management Bureau
Iowa Department of Natural Resources
502 E. 9th St.
Des Moines, IA 50319-0034

For questions concerning this application or the permitting process contact:

Chad Stobbe
Environmental Specialist Senior
Energy & Waste Management Bureau
Iowa Department of Natural Resources
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Fax. 515-281-8895
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